



North Carolina Department of Environment and Natural Resources

Dexter Matthews, Director

Division of Waste Management

Beverly Eaves Perdue, Governor  
Dee Freeman, Secretary

December 20, 2012

Sent Via Email – tbuck@toknc.com

Mr. Thad Buck  
Town of Kernersville  
Solid Waste Superintendent  
P.O. Box 728  
Kernersville, NC 27284

Re: *Gas Assessment Plan*  
Town of Kernersville Closed and Unlined MSW Landfill  
Forsyth County, Solid Waste Section Permit Number 34-04  
DIN 17952

Dear Mr. Buck:

The Solid Waste Section has completed a review of the *Gas Assessment Plan* dated November 20, 2012 (DIN 17930) and submitted on behalf of the Town of Kernersville by Joyce Engineering for the Town of Kernersville Closed and Unlined MSW Landfill located on Freeman Road. Methane gas exceedances have been documented at the northern property boundary of the facility. The *Gas Assessment Plan* was submitted in response to the methane gas exceedances and the Solid Waste Section letter dated November 1, 2012 (DIN 17561).

The Town of Kernersville is proposing to install three temporary landfill gas monitoring wells consisting of GW-6, GW-7, and GW-8. The installation of GW-7 and GW-8 is contingent upon the approval of the adjacent property owner. The three temporary landfill gas monitoring wells will be abandoned or completed based upon the monitoring results. Monthly monitoring of the existing landfill gas monitoring wells will be conducted until further notice by the Solid Waste Section. The *Gas Assessment Plan* also includes the contingency to install one additional temporary landfill gas monitoring well based upon the monitoring results within GW-6, GW-7, and GW-8.

As a result, the *Gas Assessment Plan* is approved for immediate implementation. Please provide the results of the methane gas assessment within a summary report within 30 days of the completion of the assessment. Once the methane gas migration has been completely delineated, the Town of Kernersville will be required to submit a methane gas corrective action plan to stop the migration of the methane gas.

If you have any questions or concerns regarding this letter, please feel free to contact me at 919-707-8294 or by email at [jaclynne.drummond@ncdenr.gov](mailto:jaclynne.drummond@ncdenr.gov). Thank you for your continued cooperation with this matter.

Sincerely,



Jaclynne Drummond  
Compliance Hydrogeologist  
Solid Waste Section

cc via email: Mark Poindexter, Field Operations Supervisor  
Jason Watkins, Western District Supervisor  
Charles Gerstell, Environmental Senior Specialist  
Larry Hineline, Joyce Engineering